

# PATENT ABSTRACTS OF JAPAN

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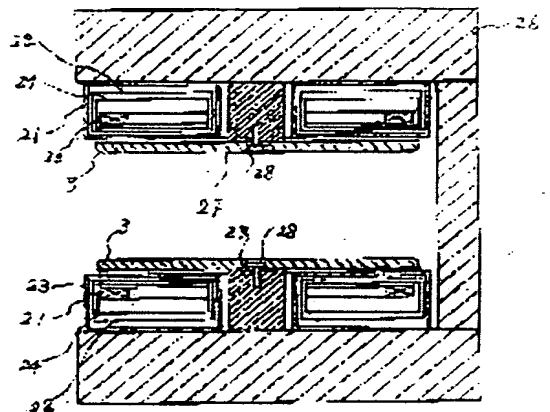
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## (54) MAGNETIC RESONANCE IMAGING DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To reduce noise caused by inspection by satisfactorily shielding the vibration of solid propagation generated in driving inclined magnetic field coils in an open MRI device with open structure.

**SOLUTION:** A static magnetic field generating magnet 2 is composed of upper and lower cryostats 21 with built-in superconductive coils 18 for generating magnetic flux, and an iron yoke 26 surrounding the upper and lower cryostats 21 to constitute a magnetic circuit. The inclined magnetic field coils 3 for generating the inclined magnetic field of x-, y-, z-axes are firmly fixed to the iron yoke 26 through support bars 27. The direct solid propagation of stress generated by the inclined magnetic field coils 3, to the cryostats 21 is thereby prevented to reduce vibration and noise.



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